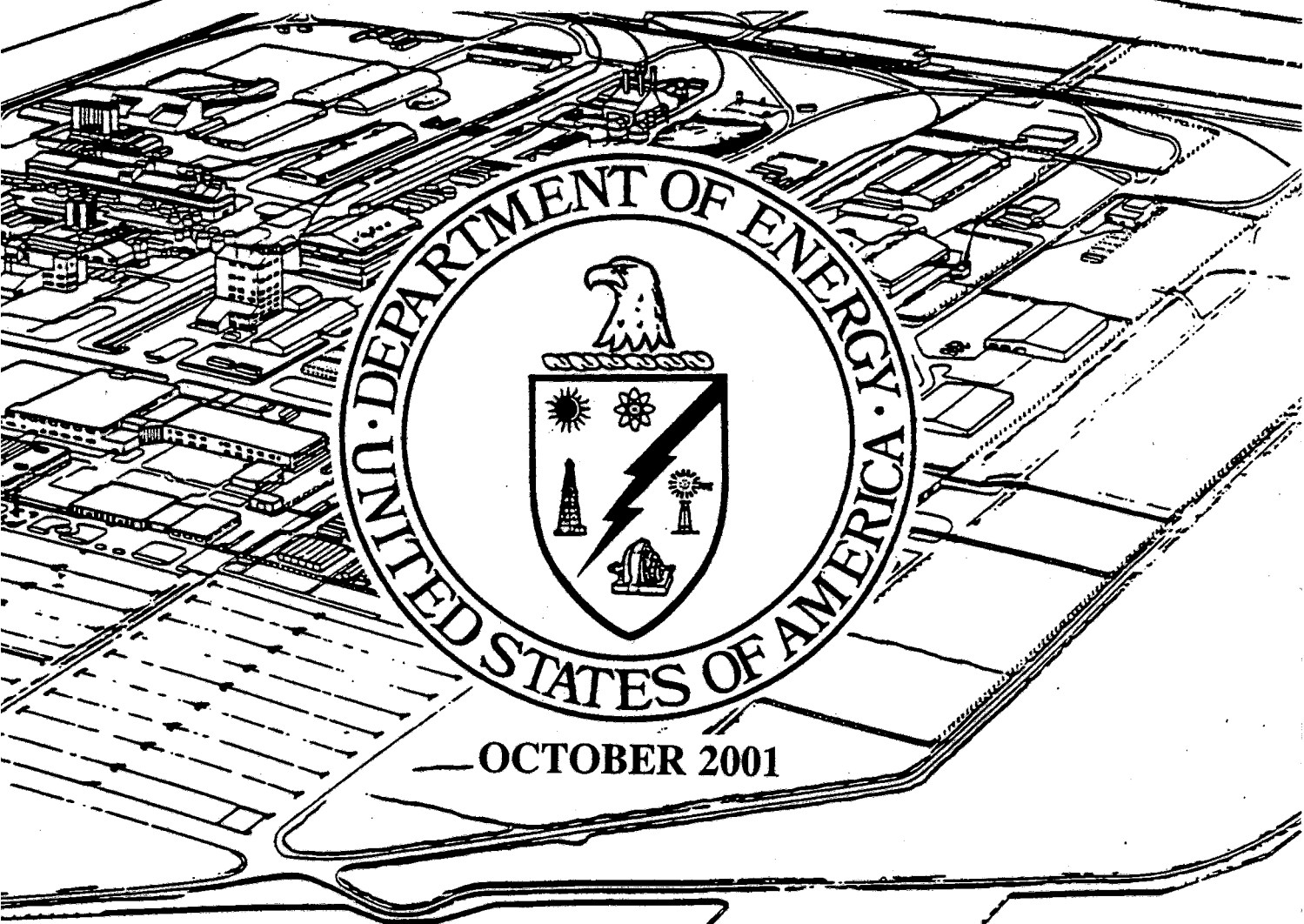


OPERABLE UNIT 3
MISCELLANEOUS SMALL STRUCTURES
DECONTAMINATION AND DISMANTLEMENT PROJECT

TASK ORDER #627 COMPLETION REPORT



OCTOBER 2001

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO

U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

DOCUMENT CONTROL NO. 1751-RP-0007 (REV. 0)

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1.0 INTRODUCTION

Task Order #627 was implemented under the authority of the Miscellaneous Small Structures (MSS) Implementation Plan for Above-Grade Decontamination and Dismantlement (D&D) (DOE 1998) and the Task Order implementation schedule provided to the regulatory agencies on May 14, 2001. Task Order #627 included D&D of the following components:

- Building 3B – Ozone Building
- Building 3C – NAR Control House

Remediation of Buildings 3B and 3C were performed successfully and in accordance with approved project planning and design requirements. This Task Order Completion Report summarizes remediation activities for Buildings 3B and 3C performed during the summer of 2001. A final Project Completion Report for the MSS Project will include summaries of this Task Order and other Task Orders implemented under the MSS Project following completion of the overall MSS Project.

2.0 COMPONENT-SPECIFIC REMEDIATION SUMMARY

Safe Shutdown preparatory actions for Buildings 3B and 3C included utility disconnections and removal of salvageable equipment. Preparatory actions are summarized under the remedial tasks section for each component in the MSS Implementation Plan.

A chronology of the D&D field activities under Task Order #627 is provided in Table 2-1.

TABLE 2-1 Task Order #627 D&D Chronology

Component	Field Initiation	Field Completion
Ozone Building (3B)	8/24/01	9/25/01
NAR Control House (3C)	7/18/01	9/25/01

2.1 Building 3B – Ozone Building

Building 3B was located in the radiologically controlled area just north of the NAR Control House (3C). Building 3B consisted of a structural steel frame with transite panel walls and roof on a concrete floor. Building 3B measured approximately 28 x 33 x 15 feet high.

Surface decontamination was performed in accordance with Section 2.2.5 of the MSS Implementation Plan.

Other than non-friable exterior transite panels, there was no asbestos containing material in Building 3B. The asbestos transite exterior panels were removed in accordance with the asbestos abatement specifications found in Appendix C of the MSS Implementation Plan.

The building structure was dismantled using a hydraulic shear in accordance with the structural steel dismantlement specifications found in Appendix C of the MSS Implementation Plan. The structural and miscellaneous steel was size reduced and the debris was placed in roll-off boxes for final disposition in the OSDF.

2.2 Building 3C – NAR Control House

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Building 3C was located in the radiologically controlled area just north of 101st Street between "A" Street and "B" Street. Building 3C consisted of a structural steel frame with transite panel walls and roof on a poured concrete base. Building 3C measured approximately 110 x 26 x 10 feet high.

Surface decontamination was performed in accordance with Section 2.2.5 of the MSS Implementation Plan.

Equipment removal was performed in accordance with the equipment/systems dismantlement specifications found in Appendix C of the MSS Implementation Plan.

The asbestos pipe insulation, pipe fittings, floor tile, mastic and transite exterior panels were removed in accordance with the asbestos abatement specifications found in Appendix C of the MSS Implementation Plan.

The building structure was dismantled using a hydraulic shear in accordance with the structural steel dismantlement specifications found in Appendix C of the MSS Implementation Plan. The structural and miscellaneous steel was size reduced and the debris was placed in roll-off boxes for final disposition in the OSDF.

3.0 MATERIAL MANAGEMENT

A summary of debris/waste generation from Buildings 3B and 3C remediated under Task Order #627 is summarized in Table 3-1.

TABLE 3-1 Summary of Debris/Waste Generated

Debris Category & Description	Profile/ Inventory Nos.	Volume (yd ³)	Container ^(a) / Quantity	Current Storage Location	Final Disposition
Cat. A/B/D/E (Metals, Incidental Concrete)	92101	268	ROB (9)	Placed in OSDF or at North Stockpile for Future OSDF Placement	OSDF
Cat. G (Non-Regulated ACM)	931961	70	Placed on flatbed for transport to OSD-038	Transite Staging Area OSD-038	OSDF
Compressible Debris	92023	30	ROB (1)	Placed in OSDF or at North Stockpile for Future OSDF Placement	OSDF
Lead Flashing ^(b)	874 (MEF)	1	55 Gallon Drum	Outside Building 3A	Offsite Facility

Footnote:

(a) ROB: Roll-off Box.

(b) Lead flashing from a future D&D project will be added to this 55gallon drum until the drum is full. Once full, the drum will be prepared for shipment to an offsite location.

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4.0 LESSONS LEARNED

Implementation of Task Order #627 revealed no lessons-learned for D&D Project Management. The following list identifies items that were considered prior to implementing this Task Order under the MSS Project as a result of previous D&D Lessons Learned issues:

- The D&D Team was comprised of representatives from all functional areas and support organizations.
- A project schedule was developed and integrated with logic ties to between functional area activities.
- Action items for all functional areas and support organizations were developed. Each action item was assigned to the responsible team member with a due date and tied to the corresponding project schedule activity.
- Team meetings were held weekly to status the project schedule, status action items, and discuss issues. Breakout sessions were held immediately after the team meetings to resolve issues on a real time basis.
- A Fluor Fernald, Inc. Public Affairs Representative was a project team member responsible for ensuring various communications were published on a weekly basis to keep the stakeholders briefed on the project activities and impacts to the site.

5.0 REFERENCES

U.S. Department of Energy, 1998, *Operable Unit 3 Integrated Remedial Action Miscellaneous Small Structures Implementation Plan for Above-Grade Decontamination and Dismantlement*, Final, prepared by Fluor Daniel Fernald, Cincinnati, Ohio.